

**ABSTRACT**

A compact, countertop water dispenser preferably dispensing ambient, chilled or hot water, and preferably allowing single-hand dispensing of ambient and child water, as well as child-resistant hot water dispensing. In one embodiment, powered by thermoelectrics, a side-mounted water container feeds a first reservoir, which feeds a second reservoir in liquid communication with hot and cold tanks. Predetermined reservoir water levels may be maintained by float switches and solenoid valves may be used to enable/disable water flow from the tanks and dispensing. Many other features are provided as described below.